



LOW WATER DATUM  
ELEVATIONS AND PROJECT DEPTHS ARE AS SHOWN ON THE SHEET. THEY ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1985)

GRID COORDINATES  
GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS  
ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.  
PROJECT DEPTHS ARE AS SHOWN ON DRAWING.  
THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LEECH, PARTY CHIEF, ABOARD THE USACOE SURVEY VESSEL WHEELER

AUTOMATED EQUIPMENT USED  
POSITIONING SYSTEM  
DATA PROCESSOR  
SOFTWARE  
PLOTTER  
MULTI-BEAM SONAR  
TSS POS-MV  
DELL 330 PC  
HYPACK  
CADO 2  
RESON SEABAT 8125

NOTES:  
1. GAGES USED WERE OBTAINED ELECTRONICALLY FROM THE NOAA GAGE AT WANDOTTITE VIA THE INTERNET.  
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 318 KHZ, 200 BPS  
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION PROJECTOR DEPTH SOUNDING SYSTEM AND ODOM DIGIBAR PRO D18200 VESSEL SPEED PROFILER.  
4. EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX, THE SHALLOWEST SOUNDING LOCAL IN EACH CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

SCALE: 1" = 100'

NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	DETROIT AREA OFFICE	19 OCTOBER 2006	
DRAWN BY:	J.B.	DETROIT RIVER, MICHIGAN	
CHECKED BY:	J.B.	FIGHTING ISLAND CHANNEL	
REVIEWED BY:	CS 765+50 TO CS 801+50	MULTI-BEAM SURVEY RESULTS	
SUBMITTED BY:	P.E.	MINIMUM DEPTH PLOT	
CHIEF, PROJ. OPNS SEC.	CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH	DATE	
APPROVED:	P.E.	SCALE AS SHOWN	
CHIEF, CONSTRUCTION - OPERATIONS DIVISION	P.E.	DRAWING NUMBER	
SHEET 5 OF 7		f15s1006.dgn	